

1 What is claimed is:

2 1. An electronic endoscope system comprising:

3 an electronic endoscope to whose front end an imaging device
4 is set;

5 a processor unit connected with the electronic endoscope
6 to apply a predetermined signal processing to a video signal
7 output from the imaging device;

8 a reference-delay-time generation circuit for generating
9 a signal having a rough reference delay time;

10 a short-delay-time generation circuit for generating a
11 signal having a delay time shorter than a reference delay time
12 of the reference-delay-time generation circuit; and

13 a control circuit for generating a delay signal
14 corresponding to a length of the electronic endoscope in
15 cooperation with these delay-time generation circuits and
16 controlling image processing in accordance with the delay
17 signal.

18

19 2. The electronic endoscope system according to claim 1,
20 wherein

21 the short-delay-time generation circuit is provided with
22 a plurality of gate delay devices to set a short delay time
23 according to a delay of a signal passing through the gate delay
24 devices.

1 3. The electronic endoscope system according to claim 1,
2 wherein

3 the control circuit has a first multiplexer for selecting
4 any one of a plurality of drive clock signals generated by the
5 reference-delay-time generation circuit and respectively
6 having a reference delay time and a second multiplexer for
7 selecting any one of a plurality of drive clock signals
8 respectively generated by the short-delay-time generation
9 circuit and respectively having a short delay time, and
10 a delay time corresponding to the length of the electronic
11 endoscope is obtained by controlling the first and second
12 multiplexers.

13

14 4. The electronic endoscope system according to claim 1,
15 wherein

16 the control circuit is set to a processor unit, reads
17 delay-time data for a connected electronic endoscope from the
18 electronic endoscope, and generates a necessary delay signal
19 in accordance with the delay-time data.

20